

## REMARKS

Claims 1-10 and 29-46 are pending.

Claims 1-4, 29, 31-34, 41 and 45 stand rejected under 35 USC §103(a) as being allegedly unpatentable over *Juskey* et al. (US Patent No. 6,356,453) in view of *Thompson* et al. (US Patent No. 5,218,234).

Claims 5, 6, 30, 35, 36, 42-44 and 46 stand rejected under 35 USC §103(a) as being allegedly unpatentable over *Juskey* et al. (US Patent No. 6,356,453) in view of *Thompson* et al. (US Patent No. 5,218,234) as applied to claims 1, 31 and 41 above, and further in view of *Tang* et al. (US Patent No. 6,291,264).

Claims 9 and 39 stand rejected under 35 USC §103(a) as being allegedly unpatentable over *Juskey* et al. (US Patent No. 6,356,453) in view of *Thompson* et al. (US Patent No. 5,218,234) as applied to claims 1 and 31 above, and further in view of *Tang* et al. (US Patent No. 6,291,264) and in view of *Chason* et al. (Publication No. 2004/0118599).

Claims 7, 8, 37 and 38 stand rejected under 35 USC §103(a) as being allegedly unpatentable over *Juskey* et al. (US Patent No. 6,356,453) in view of *Thompson* et al. (US Patent No. 5,218,234) as applied to claims 1 and 31 above, and further in view of *Kemmochi* et al. (Publication No. 2004/0032706).

Claims 10 and 40 stand rejected under 35 USC §103(a) as being allegedly unpatentable over *Juskey* et al. (US Patent No. 6,356,453) in view of *Thompson* et al. (US Patent No. 5,218,234) as applied to claims 1 and 31 above, and further in view of *Maa* et al. (Publication No. 2003/0070835).

### **Rejection under 35 USC §103(a) – claims 1-4, 29, 31-34, 41 and 45**

Claims 1-4, 29, 31-34, 41 and 45 stand rejected under 35 USC §103(a) as being allegedly unpatentable over *Juskey* et al. (US Patent No. 6,356,453) in view of *Thompson* et al. (US Patent No. 5,218,234). This rejection is respectfully traversed.

*Juskey* describes an active flip chip component and a passive flip chip component. As stated in the Office Action, *Juskey* does not teach or suggest a fluid barrier disposed local to the passive component site and spaced apart from the active component site.

*Thompson* describes an underfill material reaching the interior edge of an opening. Col.4, line 16.

Applicant respectfully submits that the proposed combination of *Juskey* and *Thompson* does not teach or suggest all of the claim limitations of claims 1-4, 29, 31-34, 41 and 45. In particular, neither *Juskey* nor *Thompson* teach or suggest an edge of the recess forming an angle directed against a flow of the fluid flow barrier as presently recited and supported by the specification (see FIGS. 6 and 7).

Applicant therefore submits that the rejection based the *Juskey* and *Thompson* reference be withdrawn. Thus, Applicant submits that claims 1-4, 29, 31-34, 41 and 45 recite novel subject matter which distinguishes over any possible combination of *Juskey* and *Thompson*.

**Rejection under 35 USC §103(a) – claims 5, 6, 30, 35, 36, 42-44 and 46**

Claims 5, 6, 30, 35, 36, 42-44 and 46 stand rejected under 35 USC §103(a) as being allegedly unpatentable over *Juskey* et al. (US Patent No. 6,356,453) in view of *Thompson* et al. (US Patent No. 5,218,234) as applied to claims 1, 31 and 41 above, and further in view of *Tang* et al. (US Patent No. 6,291,264). This rejection is respectfully traversed.

*Tang* describes a trench 20' acting as a fluid barrier with four corners.

Applicant respectfully submits that the proposed combination of *Juskey*, *Thompson* and *Tang* does not teach or suggest an edge of the recess forming an angle directed against a flow of the fluid flow barrier as presently recited. Each corner of trench 20' of *Tang* forms an angle directed **along** and not **against** a flow of the fluid flow barrier.

Applicant therefore submits that the rejection based the *Juskey*, *Thompson* and *Tang* reference be withdrawn. Thus, Applicant submits that claims 5, 6, 30, 35, 36, 42-44 and 46 recite novel subject matter which distinguishes over any possible combination of *Juskey*, *Thompson* and *Tang*.

**Rejection under 35 USC §103(a) – claims 9 and 39**

Claims 9 and 39 stand rejected under 35 USC §103(a) as being allegedly unpatentable over *Juskey et al.* (US Patent No. 6,356,453) in view of *Thompson et al.* (US Patent No. 5,218,234) as applied to claims 1 and 31 above, and further in view of *Tang et al.* (US Patent No. 6,291,264) and in view of *Chason et al.* (Publication No. 2004/0118599). This rejection is respectfully traversed.

Applicant respectfully submits that the proposed combination of *Juskey*, *Thompson*, *Tang* and *Chason* does not teach or suggest all of the claim limitations of claims 9 and 39 based on the above arguments.

Applicant therefore submits that the rejection based the *Juskey*, *Thompson*, *Tang* and *Chason* reference be withdrawn. Thus, Applicant submits that claims 9 and 39 recite novel subject matter which distinguishes over any possible combination of *Juskey*, *Thompson*, *Tang* and *Chason*.

**Rejection under 35 USC §103(a) – claims 7, 8, 37 and 38**

Claims 7, 8, 37 and 38 stand rejected under 35 USC §103(a) as being allegedly unpatentable over *Juskey et al.* (US Patent No. 6,356,453) in view of *Thompson et al.* (US Patent No. 5,218,234) as applied to claims 1 and 31 above, and further in view of *Kemmochi et al.* (Publication No. 2004/0032706). This rejection is respectfully traversed.

Applicant respectfully submits that the proposed combination of *Juskey*, *Thompson* and *Kemmochi* does not teach or suggest all of the claim limitations of claims 7, 8, 37 and 38 based on the above arguments.

Applicant therefore submits that the rejection based the *Juskey*, *Thompson* and *Kemmochi* reference be withdrawn. Thus, Applicant submits that claims 7, 8, 37 and 38 recite novel subject matter which distinguishes over any possible combination of *Juskey*, *Thompson* and *Kemmochi*.

**Rejection under 35 USC §103(a) – claims 10 and 40**

Claims 10 and 40 stand rejected under 35 USC §103(a) as being allegedly unpatentable over *Juskey et al.* (US Patent No. 6,356,453) in view of *Thompson et al.* (US

Patent No. 5,218,234) as applied to claims 1 and 31 above, and further in view of *Maa et al.* (Publication No. 2003/0070835). This rejection is respectfully traversed.

Applicant respectfully submits that the proposed combination of *Juskey*, *Thompson* and *Maa* does not teach or suggest all of the claim limitations of claims 10 and 40 based on the above arguments.

Applicant therefore submits that the rejection based the *Juskey*, *Thompson* and *Maa* reference be withdrawn. Thus, Applicant submits that claims 10 and 40 recite novel subject matter which distinguishes over any possible combination of *Juskey*, *Thompson* and *Maa*.

**Conclusion**

For all of the above reasons, applicants submit that the amended claims are now in proper form, and that the amended claims all define patentable subject matter over the prior art. Therefore, Applicants submit that this application is now in condition for allowance.

**Request for allowance**

It is believed that this Amendment places the above-identified patent application into condition for allowance. Early favorable consideration of this Amendment is earnestly solicited.

**Invitation for a Telephone Interview**

If, in the opinion of the Examiner, an interview would expedite the prosecution of this application, the Examiner is invited to call the undersigned attorney at the number indicated below.

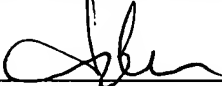
**Extension of Time**

Pursuant to 37 C.F.R. 1.136(a)(3), applicant(s) hereby request and authorize the U.S. Patent and Trademark Office to (1) treat any concurrent or future reply that requires a petition for extension of time as incorporating a petition for extension of time for the appropriate length of time and (2) charge all required fees, including extension of time fees and fees under 37 C.F.R. 1.16 and 1.17, to Deposit Account No. 02-2666.

Respectfully submitted,

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